

Claims

1. An anti-microbial product comprising an antiperspirant active and an amount of transition metal chelator - *EDTA* sufficient to enhance the deodorancy performance of said antiperspirant active.

2. An anti-microbial product according to claim 1, excluding antiperspirant gel stick compositions gelled by a gelling agent selected from the group consisting of 12-hydroxystearic acid, esters of 12-hydroxystearic acid, amides of 12-hydroxystearic acid, N-lauroyl-glutamic acid dibutyl amide, and 2-dodecyl-N.N'-dibutyl-succinamide.

3. An anti-microbial product according to claim 1 or 2, characterised in that the antiperspirant active and the transition metal chelator are both present in the same composition.

4. An anti-microbial product according to any of claims 1 to 3, comprising a liquid or soft solid composition.

5. An anti-microbial product according to claim 4, having a hardness such that the pressure required to penetrate the composition is less than  $0.06 \text{ N.mm}^{-2}$ .

6. An anti-microbial product according to any preceding claim, comprising an aerosol composition.

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7. An anti-microbial product according to any preceding claim, wherein the antiperspirant active is an aluminium, zirconium, or mixed aluminium/zirconium salt.

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8. An anti-microbial product according to claim 6, wherein an aluminium halohydrate is a component of the aerosol composition.

10 19. An anti-microbial product according to any preceding claim, wherein the transition metal chelator is an iron (III) chelator.

15 20. An anti-microbial product according to claim 9, wherein the iron (III) chelator has a binding coefficient for iron (III) of greater than  $10^{26}$ .

20 21. An anti-microbial product according to any preceding claim, wherein the transition metal chelator is micromolar-active.

25 22. An anti-microbial product according to any preceding claim, wherein the transition metal chelator has an acid form comprising at least five acid groups.

30 23. An anti-microbial product according to any preceding claim, wherein the transition metal chelator is a polyaminocarboxylic acid or salt thereof.

35 24. An anti-microbial product according to claim 13, wherein the transition metal chelator is diethylenetriaminepentaacetic acid or a salt thereof.

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15. An anti-microbial product according to any preceding claim, comprising an additional organic anti-microbial agent.
16. An anti-microbial product according to claim 15, comprising a polyhexamethylene biguanide salt, triclosan, or farnesol.
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17. An anti-microbial product according to any of the preceding claims, comprising fragrance material at up to 4% by weight of the composition.
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18. A method of controlling microbial numbers, said method comprising the application to a substrate of a product according to any of the preceding claims.
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19. A cosmetic method of reducing perspiration and providing additional control of bacterial numbers on a human body surface, said method comprising the topical application to the human body of any of the products according to any one of claims 1 to 17.
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20. A cosmetic method according to claim 19, resulting in reduced body odour.
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21. A cosmetic method of delivering enhanced fragrance intensity comprising the topical application to the surface of the human body of a composition according to claim 17.

22. A method for the manufacture of an anti-microbial composition comprising the mixing of an antiperspirant active, a transition metal chelator, and a carrier fluid.

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